

**ABSTRACT**

A method for broadcasting data in a mobile communication system including a core network and a plurality of mobile stations (MSs) is provided.

- 5 The core network broadcasts transmission data over one shared downlink channel to the MSs within one base transceiver station (BTS) service area. The MSs generate receiving report data indicating whether the data has successfully been received, and transmit the receiving report data to the core network at uniquely assigned uplink channel positions.

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